

Urban District Council

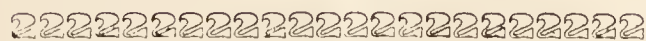


REPORT

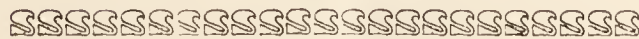
OF

Robert Stevenson, Esq.,

MEDICAL OFFICER OF HEALTH.



1909.



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Rothwell Urban District Council.



ANNUAL REPORT, 1909.



To the Chairman and Members of the Rothwell Urban District Council.

GENTLEMEN,

I beg to submit for your consideration the following Report on the Health and Sanitary condition of the Rothwell Urban District for the year ending December 31st, 1909, and for convenience sake will as in previous Reports, begin with the formal record of Births and Deaths.

POPULATION.

From the Tables on page 10 you will observe that there are now 2,995 houses in occupation in your district, an increase of 24 during the past twelve months, and taking the number of inhabitants per house to be the same as last year, I estimate the population at 14,075, and the various rates set forth in the following Report are estimated accordingly.

BIRTHS.

The total number of births registered during the twelve months ending, December 31st, 1909, amounted to 400, and consisted of 198 males and 202 females. Last year the registered births numbered 443. The births recorded in the Sub-Registration District of Rothwell numbered 243, and comprised 122 males and 121 females. In Lofthouse with Carlton and Thorpe, which are comprised within the Sub-Registration District of Ardsley, the births registered amounted to 157, and comprised 76 males and 81 females. Compared with last year there is a decrease in the

number of births registered in Rothwell and Stourton to the extent of 20, and in Lofthouse and Carlton with Thorpe there is also a decrease to the extent of 23.

BIRTH RATE.

The birth-rate for the entire District is 28.41 per thousand inhabitants, as against 31.81 last year and 27.89 in the year 1907.

ILLEGITIMATE BIRTHS.

The illegitimate births numbered 16, and comprised 6 males and 10 females. Eleven of the above belong to Rothwell and Stourton, and the remaining 5 belong to Lofthouse with Carlton and Thorpe. The illegitimate births are in the proportion of 1 in 25 of all the births registered. Last year the proportion was 1 in 40, and in 1907 the proportion was 1 in 48.

DEATHS.

The total number of deaths registered for the entire District during the twelve months ending, 31st December, 1909, was 183, and comprised 103 males and 80 females. The number registered in the Sub-Registration District of Rothwell was 113, and comprised 68 males and 45 females. The number registered in the Ardsley Sub-Registration portion of your District was 70, and comprised 35 males and 35 females. The total deaths registered for the year 1908 numbered 199, and for the year 1907 the registered deaths amounted to 182.

DEATH-RATE.

The death-rate is 13.00 per thousand inhabitants, as against 14.28 for the year 1908, and 13.10 for the year 1907. The average death-rate for the previous ten years was 14.76, so that the death-rate for the year ending 31st December last is considerably below the average. Thirty-one per cent. of the registered deaths consisted of children under 5 years of age, and 25 per cent. were those of persons aged 65 years and upwards. The corresponding numbers for the year 1908 were 45 and 18 respectively.

INFANT MORTALITY.

Forty-five of the registered deaths were those of infants under one year of age. The infant mortality—or the proportion of

deaths under the age of one year per thousand registered births—is 112, and is 24 per cent. of the deaths at all ages. For the year 1908 the infant mortality was 148 per thousand births registered, and in 1907 it was 140. The average for the previous ten years was 155. The infant mortality as a rule varies greatly from year to year in the different Wards, but in all the Wards except Lofthouse there is a satisfactory decrease. The following table shows how the infant mortality varies from year to year in the different Wards:—

	1909	1908	1907	1906
Rothwell Urban District Area...	112	148	140	121
North Ward	77	170	96	52
South Ward	95	134	215	226
Stourton Ward	191	204	88	168
Lofthouse Ward	94	81	132	35
Carlton Ward	88	148	158	102

Thirteen of the infant deaths were due to Premature Birth and Congenital Debility, nine were due to Zymotic and other preventable diseases, and the remainder were mostly due to diseases of the respiratory organs.

INQUESTS.

Fourteen Inquests—12 males and 2 females—were held during the twelve months ending, 31st December, 1909. The number for the year 1908 was 24 and for 1907 8. Six out of the fourteen were in the Stourton Ward, 3 in the North Ward, 1 in the South Ward, 1 in the Lofthouse Ward, and 3 in the Carlton Ward. The causes of death were returned as follows:—Drowning 4, Heart Disease 3, Cut Throat 1, Apoplexy 1, Suffocation 1, Strangulation 1, Syncope 1, Fractured Spine 1, Fractured Skull 1. Six of the above were accidents, and 4 were suicides.

ZYMOTIC DISEASES.

Eight deaths were registered as due to the following Zymotic Diseases, viz. :—Diarrhœa 4, Whooping-Cough 2, Scarlet Fever 1, and Typhoid Fever 1. The deaths due to Zymotic Diseases during the year 1908 numbered 20, and for the year 1907 the number was 11.

ZYMOTIC DEATH-RATE.

The Zymotic Death-Rate is 0.56 per thousand inhabitants, as against 1.43 in 1908, and 0.79 in 1907.

NOTIFICATION OF INFECTIOUS DISEASES.

During the year ending, 31st December, 1909, the Infectious Diseases notified numbered 106 as compared with 76 in 1908 and 143 in 1907. They were as follows :—Scarlet Fever 32, Typhoid Fever 11, Diphtheria 11, Erysipelas 20, and Phthisis 32. Of the above, 14 belonged to the North Ward, 18 to the South Ward, 23 to the Stourton Ward, and 8 to the Carlton Ward. Twenty notifications were received from the Workhouse and 1 from the Children's Homes. None of the notifications received from the Workhouse or Children's Homes belonged to any of the Wards comprised within the Rothwell Urban District Area. Thirty-six of the total cases notified were removed to the Isolation Hospital and these comprised 21 cases of Scarlet Fever, 10 cases of Typhoid Fever, and 5 cases of Diphtheria. The following Table gives particulars as to the number of Infectious Diseases belonging to each Ward :—

	Scarlet Fever	Typhoid Fever	Diphtheria	Erysipelas	Phthisis	Puerperal Fever	Total 1909	Total 1908	Total 1907	Total 1906
North Ward ...	7	...	1	3	3	...	14	19	12	12
South Ward ...	6	2	1	3	6	...	18	14	13	9
Stourton Ward	7	4	7	2	3	...	23	20	22	20
Lofthouse Ward	9	5	2	4	2	...	22	15	41	19
Carlton Ward	2	...	..	4	2	...	8	8	43	31
Workhouse ...	1	...	...	4	16	...	21	...	...	...
Total 1909 ...	32	11	11	20	32	...	106			
„ 1908 ...	16	15	21	10	13	1		76		
„ 1907 ...	92	13	9	10	7				131	
„ 1906 ...	55	20	10	6						91

None of the cases notified from the Workhouse belong to the Rothwell Urban District.

The following Table gives particulars as to the number of Infectious Cases removed to the Isolation Hospital from each Ward :—

	1909				1908				1907			
	Scarlet Fever	Typhoid Fever	Diphtheria	Total	Scarlet Fever	Typhoid Fever	Diphtheria	Total	Scarlet Fever	Typhoid Fever	Diphtheria	Total
North Ward ...	5	...	1	6	1	...	1	2	6	1	...	7
South Ward ...	3	2	1	6	3	5	...	8	6	...	...	6
Stourton Ward	4	3	2	9	...	6	2	8	1	8	2	11
Lofthouse Ward	8	5	1	14	3	2	2	7	18	2	2	22
Carlton Ward ..	1	...	...	1	1	...	3	4	24	...	...	24
Children's Homes	1	...	...	1								
Rothwell District Area	21	10	5	36	8	13	8	29	55	11	4	70

SCARLET FEVER.

During the twelve months ending, 31st December, 1909, the number of cases of Scarlet Fever notified amounted to 32, as compared with 16 in the year 1908, and 92 in the year 1907. One of the above proved fatal, this case being located in the North Ward. During the year 1908 there were no fatal cases, and in 1907 there was one. Reference to the Tables in connection with "Notification of Infectious Diseases" will show that the cases were located as follows:—North Ward 7, South Ward 6, Stourton Ward 7, Lofthouse Ward 9, and Carlton Ward 2. In addition to the above one case was notified from the Children's Homes, but this case did not belong to any of the Wards comprised within the Rothwell Urban District Area. Twenty-one of the cases notified, including the case from the Children's Homes, were removed to the Isolation Hospital, and it was in the Hospital where the death recorded took place. At no time during the year did the disease assume epidemic form, but during the spring and autumn months there were cases in all the wards of the district, but nearly all the cases notified were of a very mild type, and several were in the peeling stage before they were discovered. Every case notified was promptly attended to, and where thorough isolation could not be enforced at home it was at once removed to the Isolation Hospital. In nearly every instance the steps taken prevented the disease from spreading.

TYPHOID FEVER.

Eleven cases of Typhoid Fever were notified during the twelve months ending 31st December, 1909, as against 15 cases in 1908 and 13 cases in 1907. The cases notified were located as follows:—South Ward 2, Stourton Ward 4, and Lofthouse Ward 5. One of the above proved fatal, as against 3 in 1908 and 1 in 1907. Ten of the cases notified were removed to the Isolation Hospital and the fatal case was one of these and belonged to Stourton. Nearly all the cases notified were of sporadic origin and supervened upon a previous illness, and in no instance was there more than one case notified from the same house. One of the cases was an imported one and was that of a male who had come to stay with relatives after having been discharged from the Wath Isolation Hospital, where he was detained for a period of two months suffering from Typhoid Fever. He was discharged from Wath Hospital on January 27th, and was admitted into the Isolation Hospital here on February 6th. This was a typical case of Typhoid Fever, and the attack was a very severe one, but the patient made a satisfactory recovery and was discharged on April 7th. For three years in succession there have been no notifications of Typhoid Fever from the Carlton Ward, which for several years previously was the Ward from which most of the typhoid notifications were received.

DIPHTHERIA.

Eleven cases of Diphtheria were notified during the twelve months ending, 31st December, 1909, as against 21 in 1908 and 9 in 1907. The cases notified were located as follows:—North Ward 1, South Ward 1, Stourton Ward 7, and Lofthouse Ward 2. All the above cases were of a very mild type and only 5 out of the 11 notified were removed to the Isolation Hospital. None of the cases notified proved fatal.

MEASLES.

During the year just ended there have been several outbreaks of measles and every Ward in the District has suffered, and though the cases have been numerous none of them proved fatal. For many years in succession the deaths from Measles were in excess of those from any of the other Infectious Diseases. In 1908 there was 1 death, in 1907 there were 3 deaths, and in 1906 the deaths from Measles numbered 11.

WHOOPING-COUGH.

Whooping Cough was very prevalent throughout your entire district during the Autumn months, and two of the Zymotic deaths were due to that disease and its sequelæ. The deaths were located as follows:—1 in the North Ward and 1 in the South Ward. Last year Whooping-Cough was responsible for 7 of the Zymotic deaths registered, and in 1907 the deaths registered as due to whooping cough numbered 2.

DIARRHŒA.

The deaths registered as due to Diarrhœa and Zymotic Enteritis during the year 1909 numbered 4 as compared with 7 in 1908, and 1 in 1907. The cold wet summer and autumn of 1909 were not favourable to the propagation and spread of Diarrhœa, and the very low Zymotic death-rate is in great part due to the comparatively fewer deaths from that disease. The fatal cases were located as follows:—North Ward 1, Stourton Ward 2, and Lofthouse Ward 1.

ERYSIPELAS.

Sixteen cases of Erysipelas were notified during the past twelve months, as against 10 in 1908 and 10 in 1907. The cases notified were located as follows—North Ward 3, South Ward 3, Stourton Ward 2, Lofthouse Ward 4, and Carlton Ward 4. None of the above proved fatal. In addition to the above 4 cases were notified from the Workhouse, but none of these belonged to any of the wards comprised within the Rothwell Urban District Area.

PHTHISIS.

Though notification of Phthisis is not compulsory, your Council pays the usual notification fee to medical men for all voluntary notifications of cases located within the Rothwell Councils' Area. Sixteen notifications were received during the twelve months ending, 31st December, 1909, and were located as follows:—North Ward 3, South Ward 6, Stourton Ward 3, Lofthouse Ward 2, and Carlton Ward 2. Notification of persons in receipt of parochial relief suffering from Phthisis is compulsory, and one of the above resident in the Stourton Ward is included in the sixteen notified. In addition to the above 16 notifications there were 16 notifications of Phthisis received from the Workhouse, but none of these belonged to any of the Wards comprised within the Rothwell Urban District Area. The deaths registered as due to Phthisis numbered 6, and from other Tuberculous Diseases 8, a total number nearly twice as great as the total deaths from all Zymotic diseases combined. The fatal cases were located as follows:—North Ward 2, Stourton Ward 3, and Carlton Ward 1. Every house from which a death was registered or a case notified, was visited, and the same steps were taken as in cases of other infectious diseases.

The above is the history of Zymotic Disease in your district during the twelve months ending, 31st December, 1909. Every house from which a case of infectious disease was notified was visited, and in every case disinfectants were supplied, defective drains and gullies repaired and reconstructed, sanitary defects made good and proper measures taken to prevent the disease from spreading.

The following Statistics and Tables explain themselves:—

AGE AT DEATH.

The following Table epitomises the ages at which deaths occurred in your district:—

Deaths under 1 year of age	...	45	Total deaths under
„ over 1 year and under 5 years	13		5 years 58.
„ „ 5 years	15	5	
„ „ 15	25	10	
„ „ 25	65	64	
„ „ 65	...	46	
Total Deaths at all ages		183	

The grouping into various ages is in accordance with the Schedules furnished by the Local Government Board, which are duly filled in and accompany this Report.

ESTIMATED POPULATION, NUMBER OF DEATHS, &c , WITH RATES.

Year	Estimated Population	No. of Deaths	No. of Births	Death Rate per 1000 inhabitants	Birth Rate per 1000 inhabitants	Deaths under 1 year per 1000 Births	Zymotic Death Rate
1909	14,075	183	400	13.00	28.41	112	0.56
1908	13,925	199	443	14.28	31.81	148	1.43
1907	13,800	182	385	13.10	27.89	140	0.79
1906	13,700	194	421	14.16	30.72	121	1.16
1905	13,430	189	426	14.07	31.72	161	1.78
1904	13,250	191	420	14.41	31.62	145	1.66
1903	13,000	215	454	16.53	34.92	171	2.61
1902	12,722	193	398	15.17	31.28	188	1.10
1901	11,855	190	435	16.02	36.60	158	1.85

No. INHABITED HOUSES, POPULATION, &c., AT CENSUS, 1901, &c.

		Census	Number Inhabited Houses	Population	Number Inhabitants per house
Rothwell Urban District Area	...	1901	2,487	11,702	4.70
do.	do.	1891	1,296	6,205	4.78
do.	do.	1881	1,077	5,103	4.73

INFANT MORTALITY IN VARIOUS WARDS.

	No. Inhabited Houses	No. Inhabit- ants	No. Inhab't's per house	No. Births registered	Birth Rate	Deaths under 1 year	Deaths under 1 year per 1000 Births
Urban Dis. Area...	2,995	14,075	4.70	400	28.41	45	112
North Ward ...	546	2,517	4.61	65	25.82	5	77
South Ward ...	574	2,643	4.59	84	31.78	8	95
Stourton Ward ...	631	3,066	4.86	94	36.58	18	191
Lofthouse Ward ...	602	2,793	4.64	67	23.98	6	94
Carlton Ward ...	642	3,056	4.76	90	29.45	8	88

DEATHS IN VARIOUS WARDS.

	Popu- lation	Deaths at all Ages	Death Rate	Deaths under one Year	Deaths under one Year per 1,000 Births	Zymotic Deaths	Zymotic Death Rate
Urban Dis. Area	14,075	183	13.00	45	112	8	0.56
North Ward ...	2,517	35	13.50	5	77	3	1.18
South Ward ...	2,643	29	10.97	8	95	1	0.37
Stourton Ward	3,066	49	15.98	18	191	3	0.97
Lofthouse Ward	2,793	30	10.74	6	94	1	0.35
Carlton Ward...	3,056	40	13.08	8	88	0	0.00

BIRTHS AND DEATHS IN VARIOUS WARDS.

	BIRTHS			DEATHS			Total excess Births over Deaths
	Males	Fe- males	Total	Males	Fe- males	Total	
Urban District Area	198	202	400	103	80	183	217
North Ward	39	25	65	20	15	35	30
South Ward	44	40	84	17	12	29	55
Stourton Ward	39	55	94	31	18	49	45
Lofthouse Ward	34	33	67	16	14	30	37
Carlton Ward	42	48	90	19	21	40	50

ZYMOTIC DEATHS IN VARIOUS WARDS.

	Scarlet Fever	Whooping Cough	Typhoid Fever	Diarrhoea
Urban District Area	1	2	1	4
North Ward... ..	1	1	...	1
South Ward ... ..	...	1	...	...
Stourton Ward ... ..	...	...	1	2
Lofthouse Ward ... ..	...	...	...	1
Carlton Ward ... ..	...	...	...	...

VITAL STATISTICS FOR THE YEAR 1909 FOR ENGLAND AND WALES.

1909	England and Wales	Great Towns (76)	Smaller Towns (143)	England and Wales <i>less the</i> 219 Towns
BIRTH RATE	25·6*	25·7	24·8	25·6
DEATH RATE	14·5*	14·7	13·9	14·5
Zymotic Death Rate	1·12	1·42	1·08	0·80
Infantile Mortality (per 1,000 births)	109*	118	111	98

*Lowest ever recorded.

EPITOME OF BIRTHS, DEATHS, &c., FROM JANUARY
1st TO DECEMBER 31st, 1909.

	North.	South.	Stourton	Loft-house and Thorpe.	Carlton.	Totals.
	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.
BIRTHS	39 26	44 40	39 55	34 33	42 48	198 202
DEATHS	20 15	17 12	31 18	16 14	19 21	103 80
DEATHS	Scarlet Fever ...	1	...	...	...	1
	Typhoid Fever ...	...	1	...	...	1
	Measles ...	...	..	...	...	...
	Whooping-cough ...	1	1	...	...	2
	Diarrhœa ...	1	2	1	...	4
	Enteritis ...	...	3	...	...	4
	Erysipelas ...	...	...	...	...	...
	Small Pox ...	...	...	...	...	...
	Phthisis ...	2	3	...	1	6
	Other Tubercular Diseases ...	2	1	...	3	8
	Cancer, Malignant ...	1	3	1	5	11
	Bronchitis ...	4	6	3	4	20
	Pneumonia ...	3	2	2	1	8
	Other Respiratory ...	1	2	5	1	12
	Alcoholism ...	...	...	..	...	...
	Premature Birth ..	1	4	..	...	6
	Heart Disease ...	3	2	3	5	13
	Accidents ...	1	3	...	1	6
	Suicides ...	...	3	1	...	4
	Congenital Debility ..	...	1	1	4	6
	Convulsions ...	1	...	2	...	3
	All other Diseases	13	13	11	15	68
Totals	35	29	49	30	40	183
The above includes :						
Deaths under 1 year, viz. :	5	8	18	6	8	15
Deaths over 1 and under 5 years, viz. : ...	2	3	1	5	2	13
Deaths over 5 and under 15 years, viz. : ..	1	...	2	1	1	5
Deaths over 15 and under 25 years, viz.: ...	4	1	1	3	1	10
Deaths over 25 and under 65 years, viz.: ...	14	7	15	11	17	64
Deaths 65 years and over	9	10	12	4	11	46

SANITARY REPORT.

Table C, which is duly filled in and appended to this Report, contains full particulars as to the Water Supply, Excrement Disposal, Sanitary Work during 1909, &c.

WATER SUPPLY.

The following are the extensions and alterations carried out during the twelve months ending 31st December, 1909 :—

Extension of Water Mains { 645 yards 3-in. Swithen's Farm,
 } 320 yards 3-in. Middleton Lane.

The quantity of water supplied to the various portions of your district during the year ending 31st December, 1909, amounted to 110,507,000 gallons, which is in the proportion of 21.5 gallons daily per head of the population for all purposes. The quantity supplied for trade purposes amounted to 47,348,000 gallons, and the amount for domestic purposes was 63,159,000 gallons, which is equal to 12.3 gallons daily per head of the population. The supplies were derived from the following sources and in the following quantities, viz. :—

Leeds Corporation	...	...	78,890,000 gallons.
Morley	„	...	31,582,000 „
Stanley Urban District Council...			35,000 „
Total gallons.			110,507,000 „
Domestic Consumption	...	...	63,159,000 „
Trade	„	...	47,348,000 „

There are still 20 houses in your district not connected with the mains, but as these are situated in isolated positions, they must of necessity continue to derive their supply from wells and rain water cisterns.

The following Table shows the number of houses in the different portions of your district connected with your mains, and also those which are still deriving their supply from wells, &c. :—

District.				No. Houses Connected with Mains.	No. Houses Not connected with Mains.
North Ward	...	..		538	10
South Ward	...	..		576	1
Stourton Ward	...	..		644	4
Lofthouse Ward	...	...		601	4
Carlton Ward	...	...		644	1
Totals	...	...	...	3003	20

DRAINAGE.

During the twelve months ending, 31st December, 1909, the only extension of sewers was at Daisy Vale, Thorpe, where 128 yards 9-in sewer were laid. The treatment of the sewage at the Stourton Outfall Works continues satisfactory. The effluent from the present outfall works at Lemonroyd is not satisfactory, but your Sanitary Committee have a scheme under consideration, which, when the preliminary difficulties have been overcome, will be carried out, and the sewage will be treated there on similar lines as at Stourton, where the effluent is consistently good and gives entire satisfaction to the River's Board Inspector. Throughout your district satisfactory progress continues to be made with the rebuilding and reconstructing of defective privies and ashpits, and providing new ones where required.

The various cow-sheds and slaughter-houses in your district have been visited by your Sanitary Committee, accompanied by your Medical Officer and Sanitary Inspector, and with one or two exceptions all were found to be in a satisfactory condition. The Veterinary Inspectors' Report, which is attached to this Report, gives full particulars as to the various cowsheds he has visited during the twelve months ending 31st December, 1909.

All the workshops in your district have been visited and inspected, and all were found to be in a satisfactory condition. The workshops number 33 and include 1 bakehouse and 5 domestic workshops. The following is a summary of the work done during the past year :—

Number of Closets erected for New Houses	...	20
--	-----	----

Kinds.	{	Water Closets	...	...	13
		Privies	...	...	7

Total	...	20
-------	-----	----

Number of Ashpits erected for New Houses	...	16
--	-----	----

Kinds.	{	Dry Ashpits	...	9
		Ashbins „	...	4
		Privy „	...	3

Total	...	16
-------	-----	----

Number of Sinks disconnected	24
------------------------------	-----	-----	----

„	„	and Baths trapped	...	25
---	---	-------------------	-----	----

The work of connecting house drains with the sewer is being steadily persevered with, and during the year ending 31st December, 1909, the number of houses connected was 20. These are as follows:—

Houses.	Number.	No. yards 9-inch Drains	No. yards 6-inch Drains.	No. yards 4-inch Drains.
New . . .	20	54	290	640
Old . . .	...	...	...	...

ISOLATION HOSPITAL.

During the year 1909 the number of infectious diseases belonging to your district admitted into the Isolation Hospital numbered 36, as compared with 29 in 1908 and 70 in 1907.

The above comprised 21 cases of Scarlet Fever, 10 cases of Typhoid Fever, and 5 cases of Diphtheria. Of the above 2 proved fatal, 1 being due to Scarlet Fever and 1 to Typhoid Fever. The death from Scarlet Fever was that of a patient removed from the North Ward, and the Typhoid Fever death was that of a patient removed from the Stourton Ward. In many instances infectious diseases have been prevented from spreading by prompt removal of first cases.

FACTORY AND WORKSHOP ACT.

The various factories and workshops in your district have been regularly visited, and the requirements of the Act have been enforced. The necessary Tables have been properly filled in and forwarded to the Home Office, Local Government Board, and the County Council.

SANITARY INSPECTOR'S REPORT.

The Sanitary Inspector's Report, giving full and detailed information regarding the work done in his department during the twelve months ending 31st December, 1909, will be found at page 22 of this Report.

In conclusion, I beg to thank your Council for their continued kindness and courtesy, and I would especially thank the Chairman and members of the Sanitary Committee for their loyal support in carrying out needed reforms.

Yours respectfully,

ROBERT STEVENSON,

Medical Officer of Health.

Rothwell, January 31st, 1909.

TABLE I.
VITAL STATISTICS OF WHOLE DISTRICT DURING 1909
AND PREVIOUS YEARS.

Name of District—ROTHWELL URBAN.

YEAR	Popu- lation esti- mated to Middle of each Year	BIRTHS		TOTAL DEATHS REGISTERED IN THE DISTRICT				NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT	
				UNDER 1 YEAR OF AGE		AT ALL AGES			
		Num- ber	Rate*	Num- ber	Rate per 1,000 Births regis- tered	Num- ber	Rate*	Num- ber	Rate*
I	2	3	4	5	6	7	8	12	13
1899	13,200	435	32'9	66	151	197	14'9	197	14'9
1900	13,600	388	28'5	73	180	208	15'2	208	15'2
1901	11,855	435	36'6	69	158	190	16'0	190	16'0
1902	12,722	398	31'28	73	183	193	15'17	193	15'17
1903	13,000	454	34'92	78	171	215	16'53	215	16'53
1904	13,250	420	31'62	61	145	191	14'41	191	14'41
1905	13,430	426	31'72	69	161	189	14'07	189	14'07
1906	13,700	421	30'72	51	121	192	14'01	192	14'01
1907	13,800	385	27'89	54	140	234	13'10	234	13'10
1908	13,925	443	31'81	66	148	199	14'28	199	14'28
Averages for years 1899-1908	13,248	420	31'79	66	155	200	14'76	200	14'76
1909	14,075	400	28'41	45	112	267	13'00	183	13'00

*Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

Area of District in acres (exclusive of area covered by water)—
5,742.

Total population of all ages—11,702.

Number of inhabited houses—2,487.

Average number of persons per house—4.70.)

} At Census of 1901.

Institutions within the District receiving sick and infirm persons from outside the District—Hunslet Union Workhouse and Rothwell, Hunslet, and Methley Joint Isolation Hospital.

Institutions outside the District receiving sick and infirm persons from the District—Leeds General Infirmary, Clayton Hospital, Wakefield, Wakefield Workhouse, and West Riding Lunatic Asylum.

Is the Union Workhouse within the District?—Yes.

TABLE II.
VITAL STATISTICS OF SEPARATE LOCALITIES IN
1909 AND PREVIOUS YEARS.
 Name of District--ROTHWELL URBAN.

Name of Locality—ROTHWELL URBAN.						
YEAR			Population esti- mated to middle of each year	Births regis- tered	Deaths at all Ages	Deaths under 1 year
1899	...	...	13,200	435	197	66
1900	...	...	13,600	388	208	73
1901	...	..	11,855	435	190	69
1902	...	...	12,722	398	193	73
1903	..	..	13,000	454	215	78
1904	...	...	13,250	420	191	61
1905	...	...	13,430	426	189	69
1906	...	...	13,700	421	192	51
1907	...	...	13,800	385	182	54
1908	...	...	13,925	443	199	66
Averages of Years 1899 to 1908			13,248	420	200	66
1909	..	...	14,075	400	183	45

TABLE III.
CASES OF INFECTIOUS DISEASE NOTIFIED DURING
THE YEAR 1909.
 Name of District--ROTHWELL URBAN.

NOTIFIABLE DISEASE	CASES NOTIFIED IN WHOLE DISTRICT							No. of cases removed to Hospital from each locality
	At all Ages	At Ages— Years						
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and upw'ds	
Small-pox ..	...	...	...	..	...	...	...	...
Cholera... ..	...	...	...	...	...	...	...	...
Diphtheria (in- cluding Mem- branous croup)	11	...	3	4	1	3	...	5
Erysipelas ..	20	...	...	2	...	13	5	...
Scarlet fever ..	32	...	8	19	5	...	...	22
Typhus fever ..	...	...	...	...	...	...	...	...
Enteric fever ..	11	...	...	2	2	7	...	10
Relapsing fever	...	...	...	...	...	..	...	...
Continued fever	...	...	...	...	...	...	...	...
Puerpe al fever	...	...	...	..	...	..	...	...
Plague ... ..	...	...	...	..	...	...	...	...
Phthisis... ..	32	...	...	...	10	22	...	...
Totals	106	...	11	27	18	45	5	37

Isolation Hospital, Name and Situation--Rothwell, Hunslet and Methley joint.
 Total available Beds--34.
 Number of Diseases that can be concurrently treated--3.

TABLE IV.
CAUSES OF, AND AGES AT, DEATH DURING YEAR 1909.
 Name of District—ROTHWELL URBAN.

CAUSES OF DEATH	Deaths at the subjoined ages of "Residents" whether occurring in or beyond the District						
	All ages	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and up- wards
Small-pox ... ..	..	...	...	...	...	...	...
Measles ... ..	...	...	...	...	...	...	...
Scarlet fever... ..	1	...	...	...	1	...	...
Whooping-cough	2	1	1	..	...	...	...
Diphtheria (including mem- branous croup) ... ..	...	...	...	...	...	...	...
Croup ... ..	...	...	...	...	...	...	...
Fever—Typhus ... ..	...	...	...	...	...	...	...
„ Enteric	1	...	...	...	...	1	...
„ Other continued ... ..	...	...	...	...	...	...	...
Epidemic influenza... ..	...	...	..	...	...	...	...
Cholera ... ..	...	...	...	...	...	...	..
Plague ... ..	...	...	...	...	...	...	...
Diarrhoea	4	4	...	...	...	...	...
Enteritis	4	3	...	...	...	...	1
Gastritis ... ..	..	...	...	...	...	...	...
Puerperal fever ... ..	...	...	...	...	...	...	...
Erysipelas ... ..	...	...	...	...	...	...	...
Phthisis (Pulmonary Tuberculosis)	6	...	...	...	3	3	...
Other tubercular diseases ..	8	3	2	...	...	3	...
Cancer, malignant disease ...	11	..	...	..	...	7	4
Bronchitis	20	6	3	...	...	7	4
Pneumonia	8	...	1	1	...	4	2
Pleurisy .. ..	...	...	...	...	...	...	...
Other diseases of respiratory organs	12	5	4	1	...	1	1
Alcoholism—Cirrhosis of liver ... ..	...	...	...	...	...	...	..
Venereal diseases ... ..	...	..	...	..	...	...	...
Premature birth	6	6	...	...	...	...	...
Diseases and accidents of parturition	3	3	...	...	...	...	...
Heart diseases	13	...	...	...	1	9	3
Accidents	6	..	...	...	3	3	...
Suicides	4	...	...	...	1	3	...
Convulsions	3	3	...	...	..	...	...
Marasmus	1	1	...	..	...	...	...
Congenital Debility	5	5	...	...	...	...	...
All other causes	65	5	2	3	1	23	31
All causes	183	45	13	5	10	64	46

TABLE V.—ROTHWELL URBAN DISTRICT.
 INFANTILE MORTALITY DURING THE YEAR 1909
 Deaths from stated Causes in Weeks and Months under One
 Year of Age.

CAUSE OF DEATH		ALL CAUSES														
Under 1 Week	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 1 Month	1-2 Months	2-3 Months	3-4 Months	4-5 Months	5-6 Months	6-7 Months	7-8 Months	8-9 Months	9-10 Months	10-11 Months	11-12 Months	Total Deaths Under 1 Year
10	1	1	5	17	9	2	4	1	1	2	2	2	2	2	3	45
...
Whooping Cough ...	...	...	...	...	...	...	...	1	...	1	...	...	1	...	...	1
Diarrhoea, all forms ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
Enteritis, Muco-enteritis, Gastro-enteritis	...	...	2	2	2	...	...	...	...	...	...	...	...	...	...	4
Gastritis, Gastro-intestinal Catarrh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Premature Birth ...	4	...	1	1	6	...	...	...	...	...	...	...	...	...	...	6
Congenital Defects...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Injury at Birth ...	3	...	...	...	3	...	...	...	...	...	...	...	...	...	...	3
Atrophy, Debility ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Marasmus	2	1	...	...	3	3	1	...	...	...	...	...	...	...	...	7
Tuberculous Peritonitis	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
Tabes Mesenterica	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Tuberculous Meningitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Convulsions ...	...	...	...	1	1	2	2	...	...	...	...	2	1	...	...	3
Bronchitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia, Broncho Pneumonia	...	...	...	1	...	...	1	...	...	...	1	...	...	...	...	2
Other Causes ...	1	...	...	...	2	...	...	...	...	...	...	...	...	...	1	4
...	10	1	1	5	17	9	2	4	1	1	2	2	2	2	3	45

District of Rothwell Urban.

Population

Estimated to middle of 1909—14,075.

Births in (legitimate, 384.
 the year } illegitimate 16.

Deaths in the } legitimate infants, 43.
 year of } illegitimate infants, 2.

Deaths from all Causes at all Ages, 183.

TABLE C.—1909.

ROTHWELL URBAN SANITARY DISTRICT.

WATER SUPPLY—Any development during 1909?—965 yards of 3-in. mains.

Developments still needed?—Better supply to Rothwell Haigh.

Has public supply been continuous?—Yes.

Is the water plumbo-solvent and if so, what corrective treatment is applied?—No.

Any samples tested for lead during 1909?—No.

SEWERAGE—Developments during 1909.—128 yards of 9-in. sewer laid.

Developments still needed—None.

Special Sewer Ventilators (kind in use)—Open Grates.

Any offensive Manholes?—A few.

SEWAGE DISPOSAL—Any complaint as to outfall works?—At Lemonroyd.

SCAVENGING—And inadequacy, and where?—No.

BY-LAWS AND REGULATIONS—Any adopted or sanctioned during 1909?—None.

ADOPTIVE ACTS—Any steps taken for the consideration, adoption, or application of :—

(A) Notification of Births Act, 1907?—No.

(B) Public Health Acts Amendment Act, 1907?—Application for adoption. What Sections?—Parts 2, 3, 4, and Sec. 95.

(c) Other Adoptive Acts?—None.

REGULATED BUILDINGS, TRADES, &c.	No. in District	No. on Register.	Total No. of Inspec- tions made	General Condition.	Legal Pro- ceed- ings (if any).
Common Lodging Houses ..	...	...	...	...
Canal Boats ... ..	...	...	108	Good	
Slaughter Houses	6	6	55	Very Good	
Cowsheds	51	51	177	Good	
Offensive Trades:—1 Tripe Boiler, 3 Fat Extractors, 16 Fried Fish Shops.	20	20	33	Good	

COWSHEDS—Any special inspection made during 1909?—
Visited by Inspector and Veterinary Surgeon.

Any milk samples tested for tubercle, and with what result?—
Six; five negative, one positive.

DWELLINGS—Any special activity in house-building?—No.

Number of Houses built during 1909?—20. General
Character?—Through Houses.

Do the new Houses accord with By-Laws?—Yes. Who deals
with plans?—Inspector, Committee, and Council.

INFANTILE MORTALITY—Is Health Visitor appointed by
S.A.?—No. By other body?—No.

PREVENTION OF CONSUMPTION—Any system of notifica-
tion?—Voluntary.

Any local treatment of Patients on sanatorium lines?—No.

Any Sanitary Inspection of Patients' Houses?—Yes. Any
Disinfection of ditto?—Yes.

Any Distribution of Advice?—Yes. Any Action re Spitting?
—No.

NUISANCES—

Total No. of Nuisances in hand at close of 1908—45. At the
close of 1909—17. Reported during 1909—346. Abated
during 1909—374.

Total No. of Legal Notices served for Abatement of Nuisances
during 1909—11.

No. of Sink wastes disconnected during 1909—24. Trapped
—25.

No. of Closets newly constructed during 1909—20. Kinds—
13 W.C.'s, 7 Privies.

No. of Closets reconstructed during 1909—114. Kinds—
Privies and Ashpits.

What action has been taken in regard to the following matters?
Samples under Sale of Food and Drugs Acts—22.

BIRTHS during 1909—Males 198, Females 202, Total 400.
Number illegitimate, included in above—16.

DEATHS during 1909—(1) GROSS DEATHS, i.e., Total actually
registered in the district, without any correction—267.

(2) NETT DEATHS, on which the rates are calculated—Males
103, Females 80, Total 183.

REPORT by E. F. MOORHOUSE, SANITARY AND BUILDING INSPECTOR.

GENTLEMEN,

I beg to submit the following Report on the Sanitary Work of my Department for the past year :—

CORRESPONDENCE.

Number of letters written and notices served	662
--	-----	-----	-----

Number of inspections to drainage	...	...	80
Number of appointments kept	...	...	184

NUISANCES.

Number of nuisances abated	...	...	374
„ unabated nuisances on books, Dec. 31st, 1909			17

Details of nuisances abated :—

Number of stopped drains cleared	...	...	23
„ stopped w.c.'s cleared	...	...	2
„ stopped w.w.c.'s cleared	...	...	8
„ existing sinks and baths trapped	...	...	25
„ other drainage repairs	...	...	26
„ defective roofs repaired	...	...	29
„ defective eaves spouting repaired	...	...	23
„ alterations to defective ashpits	...	...	28
„ alterations to foul privies	...	...	86
„ defective water supplies remedied	...	...	53
„ other miscellaneous repairs to dwelling-houses			27
„ other miscellaneous nuisances	...	...	44

I am pleased to be able to again report good work in this important branch of my duties, which has been carried out without having resort to any extreme measures.

SCAVENGING.

The following table shows the number of loads of nightsoil removed, with cost per load, etc., for the past eight years.

1909	...	9,832	...	1/3	...	8/11
1908	...	9,950	...	1/2	...	8/10
1907	...	9,689	...	1/1 $\frac{3}{4}$	...	8/2 $\frac{1}{3}$
1906	...	9,606	...	1/2 $\frac{1}{2}$	...	8/8
1905	...	9,143	...	1/3 $\frac{1}{2}$	...	9/-
1904	...	8,928	...	1/4 $\frac{1}{4}$	...	9/5 $\frac{1}{2}$
1903	...	8,941	...	1/4 $\frac{1}{2}$	...	9/10
1902	...	7,778	...	1/5 $\frac{1}{3}$	...	9/9 $\frac{1}{3}$

The nightsoil continues to be satisfactorily disposed of for agricultural purposes, but the disposal of the rubbish, consisting mostly of tins, is becoming more difficult each year.

The removal of the nightsoil by the Contractors has on the whole been fairly satisfactory.

The sewers, cesspools, house gullies, trough closets, and public urinals in the district have been regularly cleansed and disinfected. Summary of conveniences in the district :—

No. of ashpits in use in December, 1909	...	...	1,405
,, ashpits open	...	...	106
,, ashpits covered in	...	...	1,299
,, dry ashpits	...	...	473
,, ashbins	...	...	121
,, privies	...	...	1,492
,, combined privies and ashpits	...	...	927
,, water closets	...	...	674
,, waste water closets	...	...	123
,, trough closets flushed automatically with town's water	...	...	145
,, trough closets flushed by Sanitary Staff	...	...	14
,, urinals cleansed by Sanitary Staff	...	...	2
,, cesspools emptied by Sanitary Staff	...	...	23

Further progress has been made in dealing with unsatisfactory ashpits and privies and remedying cases of inadequate closet accommodation.

During the year the last instance of one closet serving four houses has been remedied and a good number of the cases with two privies for six houses have been more suitably provided with accommodation in this respect, and it is hoped that at the end of next year such a thing as only two privies to six houses will not be known in the district.

A further number of the privies within 6 feet of dwelling houses in the Stourton district have been converted into water closets.

Further improvements to unsatisfactory ashpits and privies are very necessary, not only from a health point of view, but also to facilitate the means of cleansing, as with the yearly increase of ashpits, etc., the scavenging staff will have to be enlarged unless these old and unsatisfactory ashpits, which are usually difficult to empty and cleanse, are diminished.

Twenty-seven Privies have been replaced with 30 W.C.'s, 26 Ashpits have been reconstructed, 2 Ashpits have been covered in, and 9 extra Privies have been provided.

INFECTIOUS DISEASE.

Sixty-five Houses have been disinfected.

The free supply of disinfectants, from the various centres of distribution, continues to be freely taken advantage of by the inhabitants of the district.

DAIRIES, COWSHEDS, AND MILKSHOPS.

Number of cowkeepers on register	...	...	...	28
„ purveyors of milk on register (not cowkeepers)				20
„ cowsheds on register	...	...	...	51

During my inspection of the cowsheds during the year I have found the cowsheds on the whole fairly satisfactory.

There is a marked improvement in the cleanliness of the cows and in the manner in which the sheds are kept, and I am satisfied that the majority of the cowkeepers are attempting to comply with the Sanitary Committee's wishes in this respect, and during my last visit to the sheds in midwinter I was agreeably surprised at the large number of milk cows which had been groomed and had their flanks and hind quarters absolutely free from dirt of any sort.

The Milk Regulations mentioned in my last Annual Report are temporarily lying in obedience pending promised Legislation in this matter, but in the meantime all is being done that can be done in the way of inspection of the milk cows and cowsheds and the analytical and bacteriological examination of the milk supplied to the public, to ensure a good wholesome supply.

SLAUGHTER HOUSES

The 6 Slaughter-Houses in the district have been satisfactorily conducted, and on the whole the meat from them is of a good quality.

There are 4 offensive trades, consisting of 1 tripe dresser and 3 fat extractors, and also 16 fried fish shops in the district. The tripe dresser's establishment continues a model of cleanliness, and although the fish sold from the fried fish shops is usually of excellent quality, the cleanliness of some of these places leaves much to be desired.

FOOD AND DRUGS ACT.

Twenty samples of new milk and 2 samples of old milk have been taken by me for analysis for adulteration by water and the adding of preservatives, and 6 samples have been taken for bacteriological examination for tubercular infection.

Two samples of milk were adulterated by the addition of 11.5 per cent. and 2.3 per cent. of added water respectively, and 3 samples were polluted by the addition of $1\frac{1}{2}$ grains to $2\frac{1}{2}$ grains of Boric Acid per pint of milk as a preservative.

Of the 6 samples of milk taken for bacteriological examination for the Tuberculous Bacilli, all were free with the exception of one. The infected milk was from a cowshed outside your Council's area.

In this case the cattle were examined by a Veterinary Surgeon, the affected cattle, two in number, located, and the milk from these cows stopped from being used for human consumption.

CANAL BOATS.

One hundred and eight Canal Boats have been inspected. Of these, 14 boats having a total of 20 contraventions of the Canal Boats Act of 1877 and 1884 were met with. The whole of these contraventions have been remedied.

BUILDINGS.

Twenty Dwelling Houses, 1 Public Building, and 6 Buildings of a miscellaneous character have been built during the year. Of the 20 houses, 2 have six rooms, 7 five rooms, and 11 four rooms above the ground level.

Twenty-three plans have been deposited, of which 15 were approved and 8 disapproved. There are 4 houses and extensions to a Public Building in course of erection, and 28 empty houses, against 32 last year and 42 the year previous. Seventeen of the 28 empty houses are at Stourton.

Little progress has been made during the year in the drafting of the proposed new Building Bye-Laws, due to pressure of other work.

A much needed public want has been filled with the numbering of the houses, 247 in number, in the Carlton district.

Licenses have been granted to 4 persons for the sale of petroleum, petrol, calcium carbide, etc. under the Petroleum Acts.

The Public Health Acts Amendment Act, 1907, has not yet been put in force in the district.

In conclusion, I beg to again express my appreciation of the courtesy of the members of the Council, and also my thanks to the Chairman and members of the Sanitary and Building Committees for their loyal support in the carrying out of my duties.

I am, Gentlemen,

Yours obediently,

ERNEST FREDERICK MOORHOUSE,

Assoc. R. San. Inst.



VETERINARY INSPECTION OF CATTLE.

ROTHWELL URBAN DISTRICT COUNCIL.

During the eight months dating from May, 1909, I have made 657 veterinary examinations of cows in the above district, and find in most instances a further improvement in both the quality of the animals and the observance of instructions issued by your Council.

In several instances the sheds have been revisited to examine suspected cows.

Five udders were found diseased, 7 udders milking on only 3 quarters, and eight cows affected with organic disease of other organs (probably tuberculous), the owners were informed and agreed to take the course advised, both as to the future disposal of the milk and the cows.

For the purposes of this inspection 99 visits have been made to the various cowsheds.

SAMUEL WHARAM,
M.R.C.V.S., Lon.

January, 1910.



